

FIG. 1

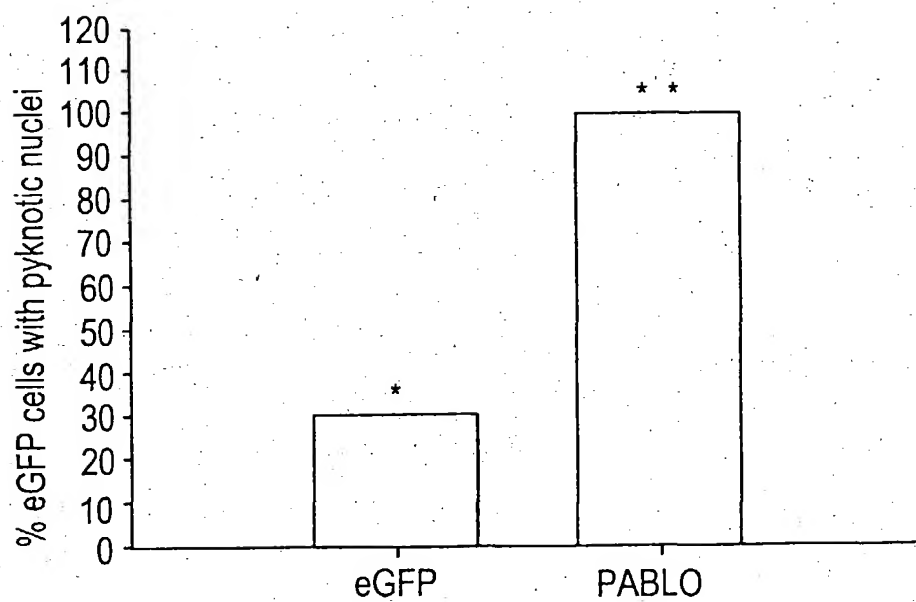
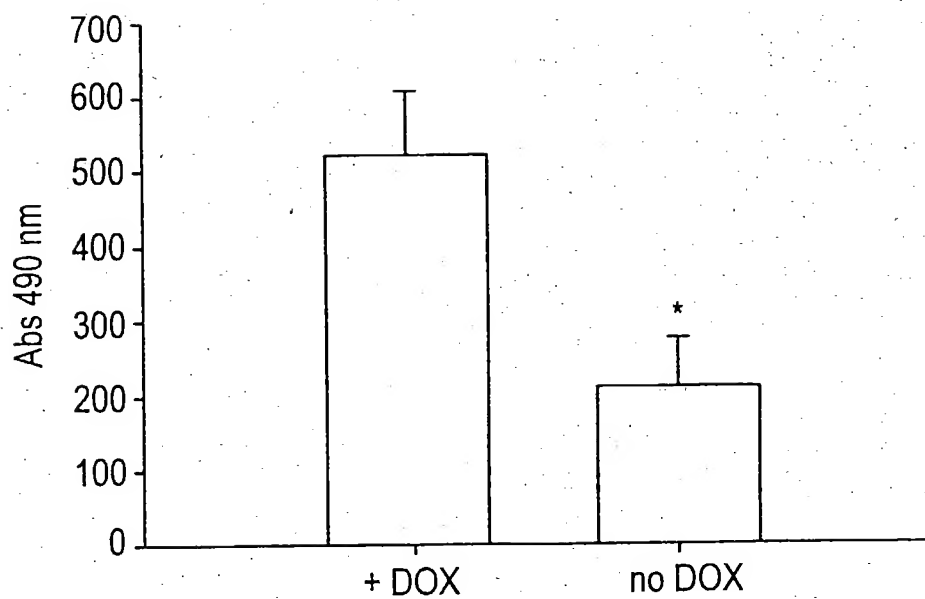


FIG. 2



values are the mean \pm SD; n=4; *p<0.01

FIG. 3

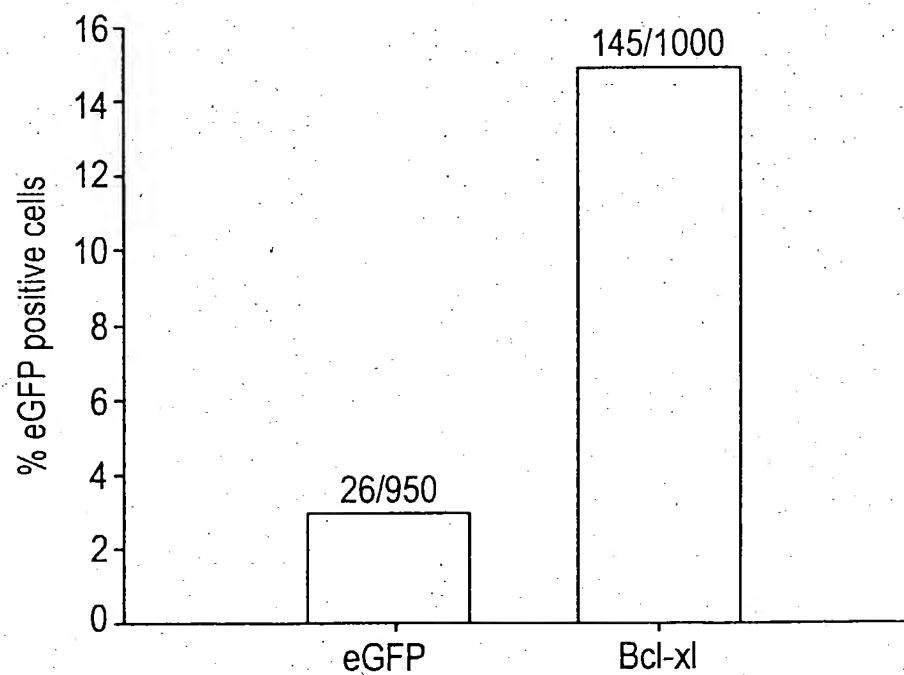


FIG. 4

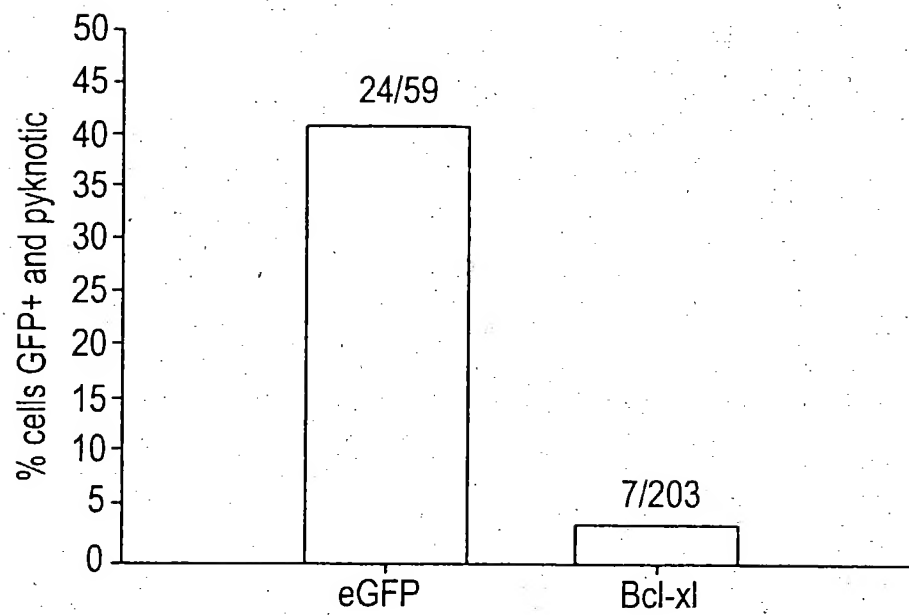


FIG. 5

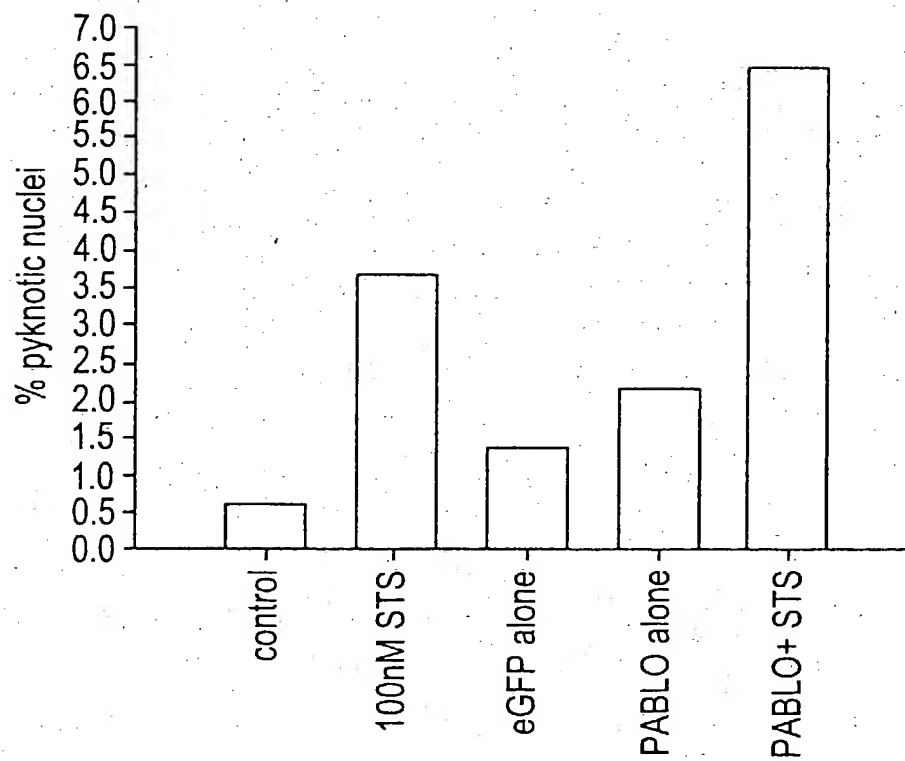


FIG. 6

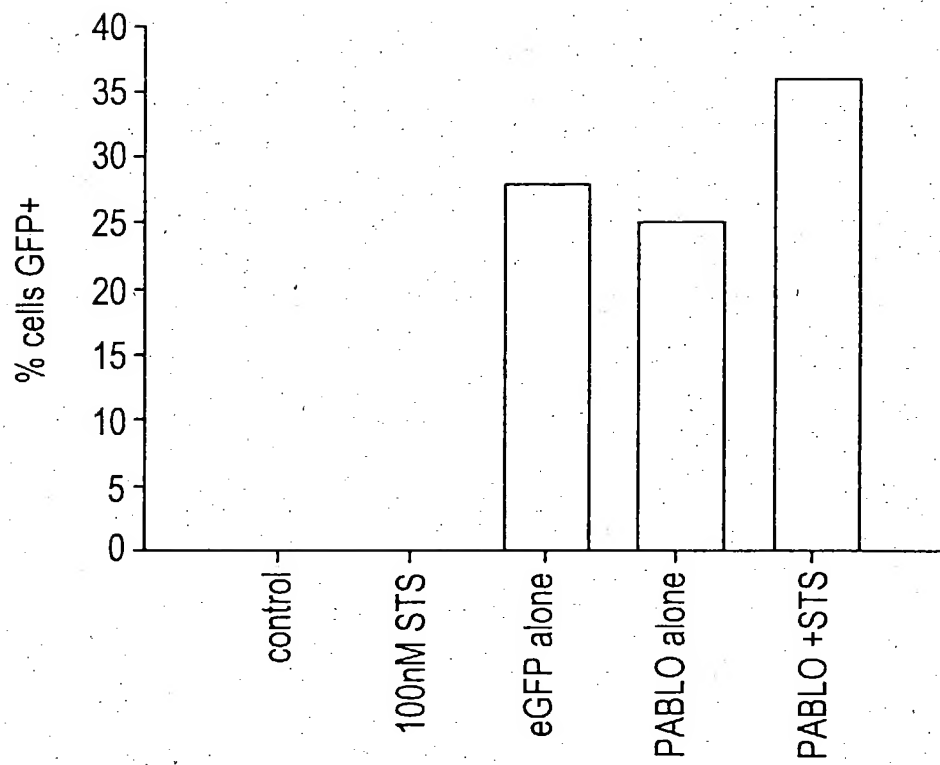


FIG. 7

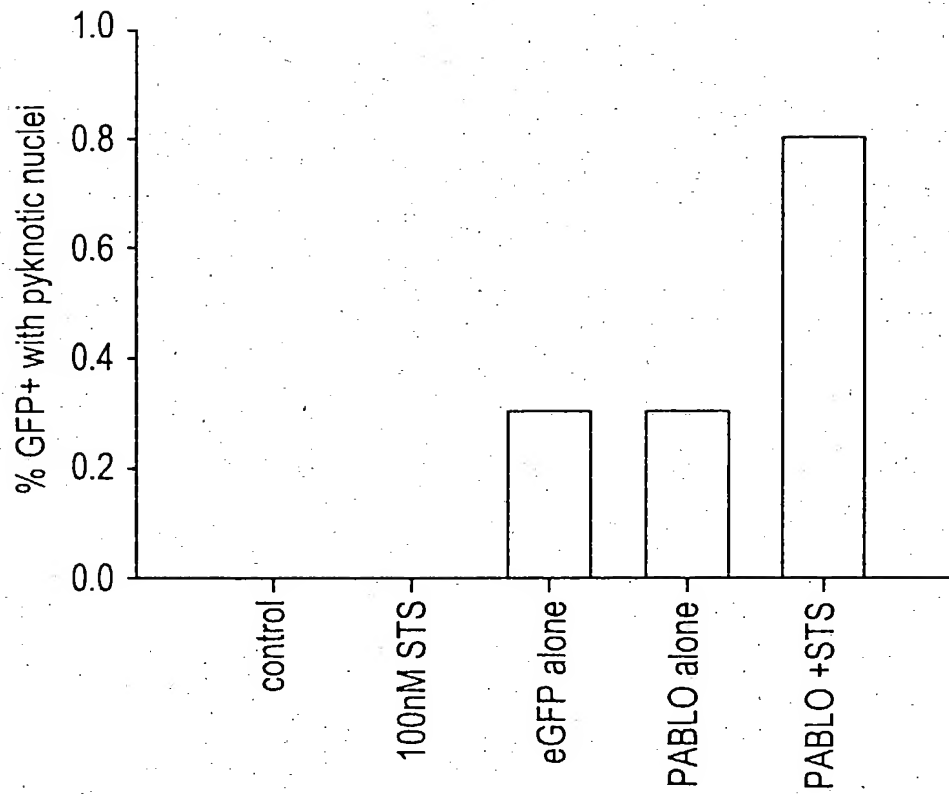


FIG. 8A

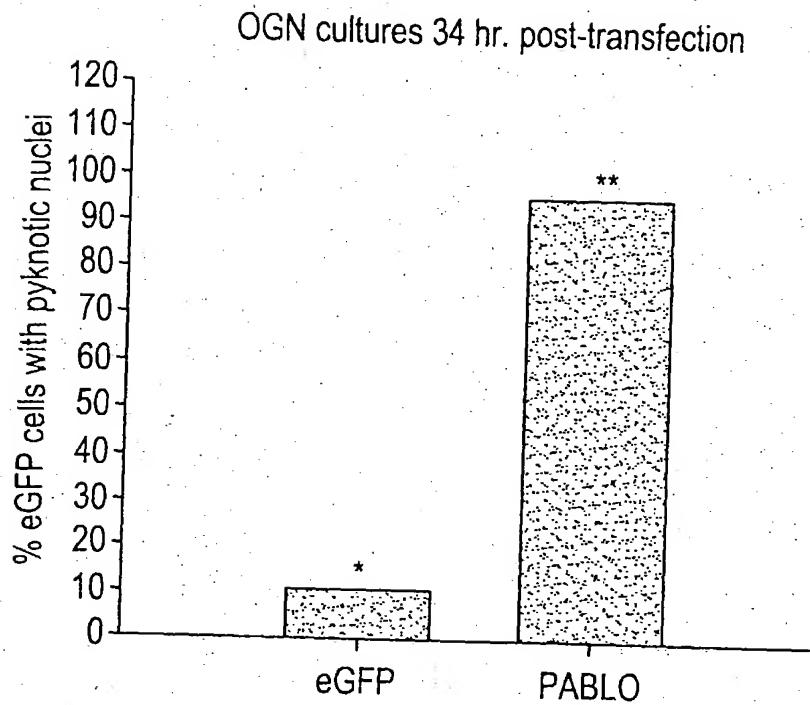


FIG. 8B

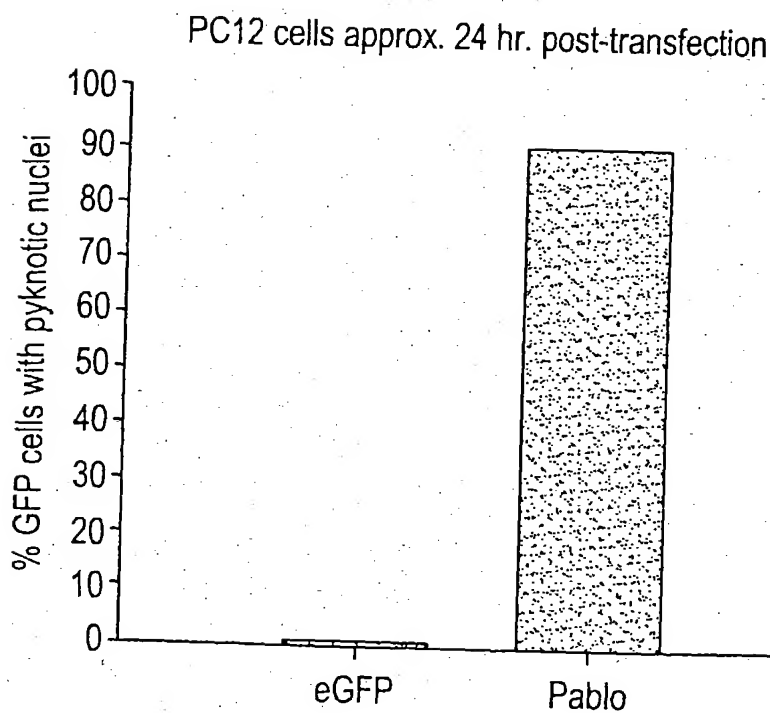


FIG. 8C

rat hippocampal cultures 30 hr. post-transfection

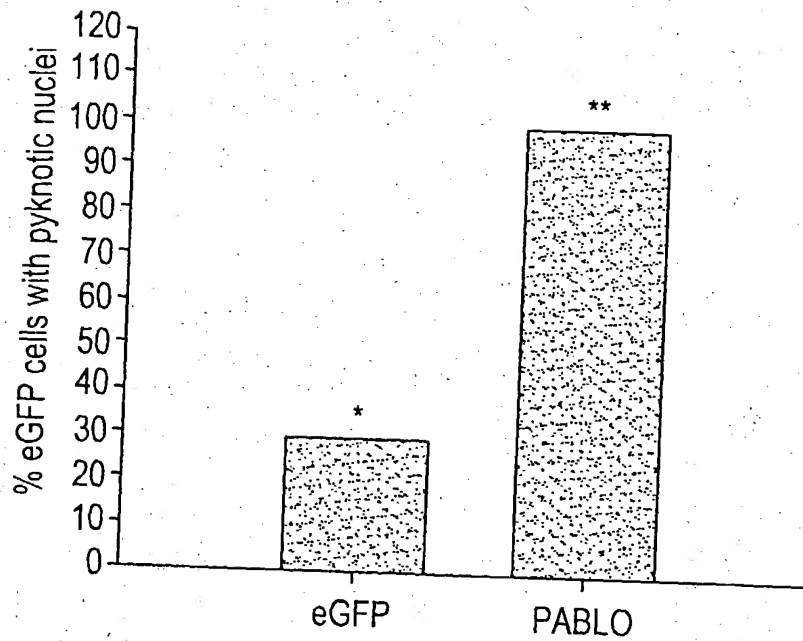


FIG. 8D

HEK 293: 48 hr. post-transfection

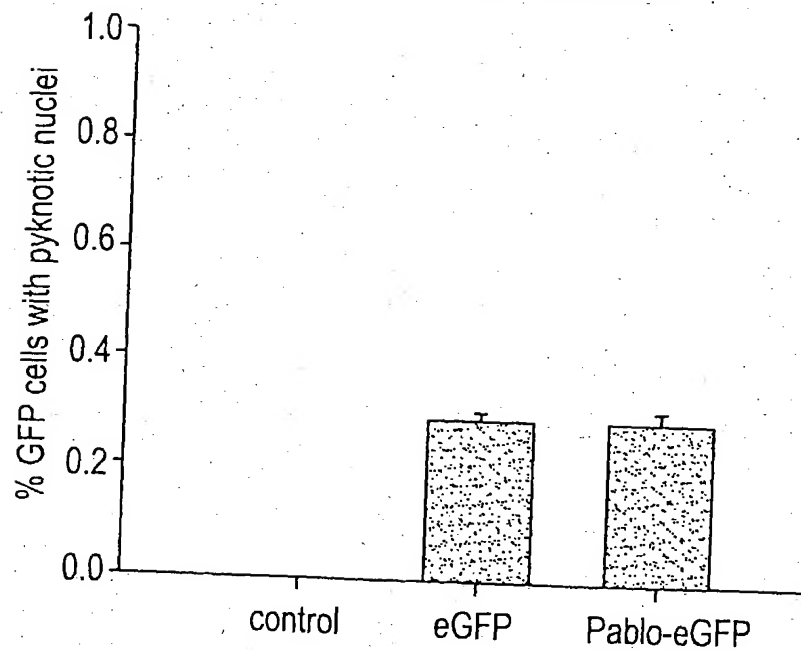


FIG. 9

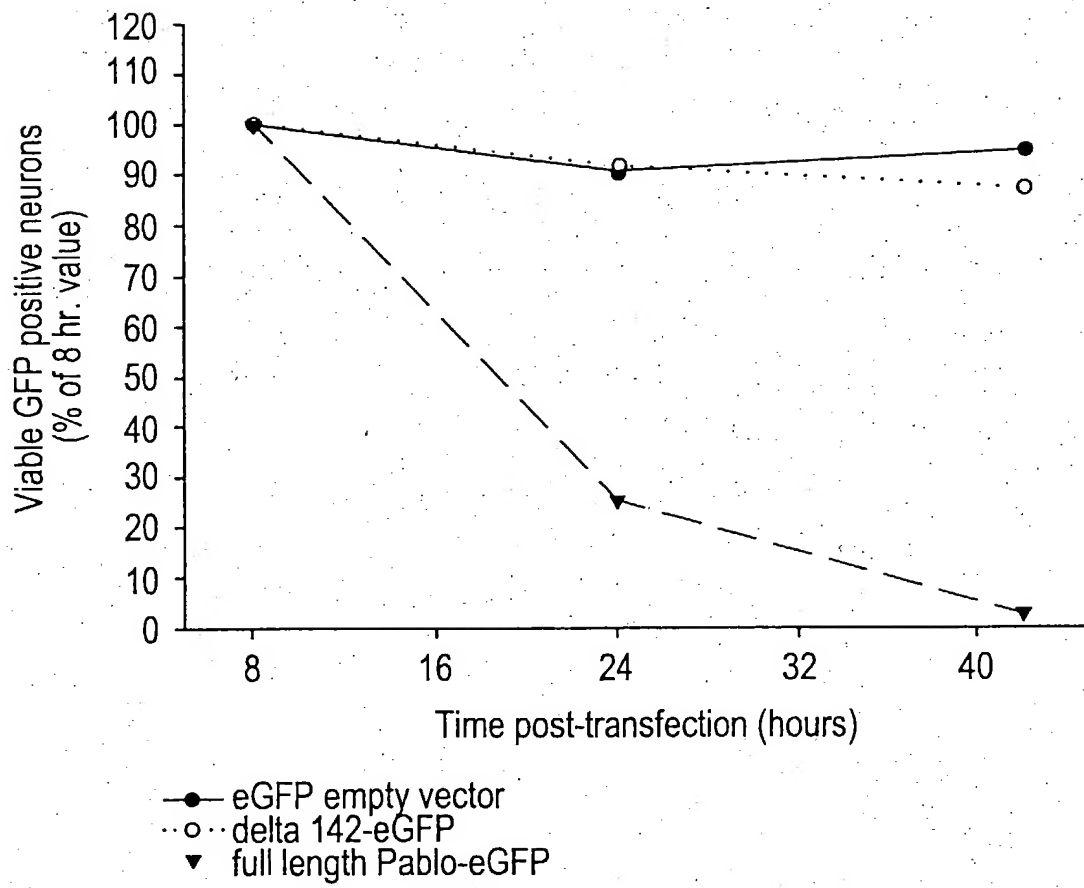


FIG. 10A

Bclxl (Δ TM)/PAS-1

	10	20	30	40	50
19 Bclxl/pAS2- 1	CAGCTTTGAC	TCATATGAAA	ATGTCTCAGA	GCAACCGGA	GCTGGTGTT
	60	70	80	90	100
19 Bclxl/pAS2- 1	GACTTTCTCT	CCTACAAGCT	TTCCCAGAAA	GGATACAGCT	GGAGTCAGTT
	110	120	130	140	150
19 Bclxl/pAS2- 1	TAGTGATGTG	GAAGAGAACA	GGAAGTGGGC	CCCAGAAAGG	ACTGAATCGG
	160	170	180	190	200
19 Bclxl/pAS2- 1	AGATGGAGAC	CCCCAGTGCC	ATCAATGGCA	ACCCATCCTG	GCACCTGGCA
	210	220	230	240	250
19 Bclxl/pAS2- 1	GACAGCCCCG	CGGTGAATGG	AGCCACTGGC	CACAGCAGCA	GTTTGGATGC

FIG. 10B

	260	270	280	290	300
19 Bclxl/pAS2- 1	CCGGGAGGTG ATCCCCATGG CAGCAGTAAA GCAAGCGCTG AGGGAGGCAG				
	310	320	330	340	350
19 Bclxl/pAS2- 1	GCGACGAGTT TGAAGTGGG TACCGGGGG CATTGAGTGA CCTGACATCC				
	360	370	380	390	300
19 Bclxl/pAS2- 1	CAGCTCCACA TCACCCCGAGG GACAGCATAT CAGAGCTTTG AACAGGTTAGT				
	410	420	430	440	450
19 Bclxl/pAS2- 1	GAATGAACTC TTCCGGGATG GGTAAACTG GGTGCGCATT GTGGCCTTTT				
	460	470	480	490	500
19 Bclxl/pAS2- 1	TCTCCTTCGG CGGGGCACTG TCGTGGAAA GCGTAGACAA GGAGATGCAG				

FIG. 10C

	510	520	530	540	550
19 Bclxl/pAS2- 1	GTATTGGTGA	GTCGGATCGC	AGCTTGGATG	GCCACTTACC	GGAATGACCA
	560	570	580	590	600
19 Bclxl/pAS2- 1	CCTAGAGCCT	TGGATCCAGG	AGAACGGCGG	CTGGGATACT	TTTGTGGAAC
	610	620	630	640	650
19 Bclxl/pAS2- 1	TCTATGGGAA	CAATGCAGCA	GCCGAGAGCC	GAAAGGGCCA	GGAACGCTTC
	660	670	680	690	700
19 Bclxl/pAS2- 1	AACCGCTGAG	TCGACCTGCA	GCCAAGCTAA	TTCCGGGCGA	ATTCTTATG
	710	720	730	740	750
19 Bclxl/pAS2- 1	ATTATGATT	TTTATTATTA	AATAAGTTAT	AAAAAAATA	AGTGAT

FIG. 11

Amino Acid Sequence of Bclxl (TM)
Used As Bait In Yeast 2-Hybrid Screen.

10	20	30	40	50	60	70	
MSQSNRELVD	FLSYKLSQKGY	SWSQFSDVE	ENRTEAPEG	TESEMETPS	AINGNPSW	HLADSPAV	NGATA 70
HSSSLDARE	VIPMAAVKQ	ALREAGDEF	ELRYRRAF	SDLTSQLH	ITPGTAY	QSFQVNV	NELFRDGVNWGRI 140
VAFSFGG	ALCVESVD	KEMQVLV	SRIAAMAT	YLN	DHLEPW	IQENG	GGWDTFVELYGNNAAESRKQGERF 210
NR							212

FIG. 12A

Nucleotide Sequence of Pablo D142

10	20	30	40	50	60	70
atgccgctagtgaaagaacatcgatcccttaggcacttgtgccacacagcactgcctagaggcattaaaga	70					
atgaactggaaatgtgtaaccaataatttccttggcaataataattagacaaactaaagtagcctaagtaaata	140					
tgctgaagataataattggagaattattcaatgaagcacatagttttccttcagagtcactcaattgcaa	210					
gaacgtgtggaccgttttatctgttagtgttacacagcttgatccaaagggaagaattgtcttttgcaag	280					
atatacaaatgaggaaagctttccgaagtctacaattcaagaccagcagcttttcgatcgcaagacttt	350					
360	370	380	390	400	410	420
gcctattccattacaggagacgtacgatgtttgtgaacagcctccacctctcaatatatactcactccttat	420					
agagatgattggtaaaaggctctgaagttttataccaatccttcgtatttcttggatctatggaaagaaa	490					
aaatgttgcaagatacacagaggataaagaggaaagaaagaggagagagagagagagagagagagagag	560					
tcatgaaccagaaaaagtgcgaagagcacctcatgacagggcgagagagagagagagagagagagagag	630					
ccagagctggctgaagatgatgctaatctcttacataagcatattgaagttgctaaatggcccagcctctc	700					
710	720	730	740	750	760	770
atthtgaacaagacctcagacatacgttggaatcataatggatggtatcttactcactttctgccttgccatt	770					
tagtcagatgagtgagcttctgactagagctgaggaagggtatttagtcagaccacatgaaccacctcca	840					
cctccaccaatgcatggagcaggagatgcaaaaccgataccacctgtatcagttctgtctacaggtttga	910					
tagaaaaatcgccctcagtcaccagctacaggcagaaacacctgtgtttgtgagccccacccccacctcc	980					
tccaccacctcttccatctgctgtcaacttctcatttaagaggttcaatgacttcaactcctccccct	1050					

FIG. 12B

1060	1070	1080	1090	1100	1110	1120	
ccagtacctccccacacctccacccactgctttgcaagctccagcagtagtaccacccactccagctc							1120
ctctcagattgcccctggagttcttcacccagctcctcctccaattgcacctcctctagtagtacagccctc							1190
tccaccagtagctagagctgccccagtagtgtagactgtaccaggttcactccactccccacaagggt							1254

FIG. 13

Amino Acid Sequence of Pablo Δ 142

10	20	30	40
MPLVKRNIDPRHLCHTALPRGIKNELECVTNISLANIIRQ			40
LSSL SKYAEDIFGELFNEAHSFSFRVNSLQERVDRLSVSV			80
TQLDPKEEELSLQDITMRKAFRSSTIQDQQLFDRKTLPIP			120
LQETYDVCEQPPPLNILTPYRDDGKEGLKFYTNPSYFFDL			160
WKEKMLQDTEDKRKEKRKQKQKNLDRPHEPEKVPRAPHDR			200

210	220	230	240
RREWQKLAQGPELAEDDANLLHKHIEVANGPASHFETRPQ			240
TYVDHMDGSYSLSALPFSQMSSELLTRAEEVLVRPHEPPP			280
PPPMHGAGDAKPIPTCISSATGLIENRPQSPATGRTPVFV			320
SPTPPPPPPPLPSALSTSSLRASMTSTPPPPVPPPPPPPA			360
TALQAPAVPPPPAPLQIAPGVLHPAPPPIAPPLVQPSPPV			400

410	420	430	440
ARAAPVCETVPVHPLPQG			418

FIG. 14

PABLO and deletion constructs

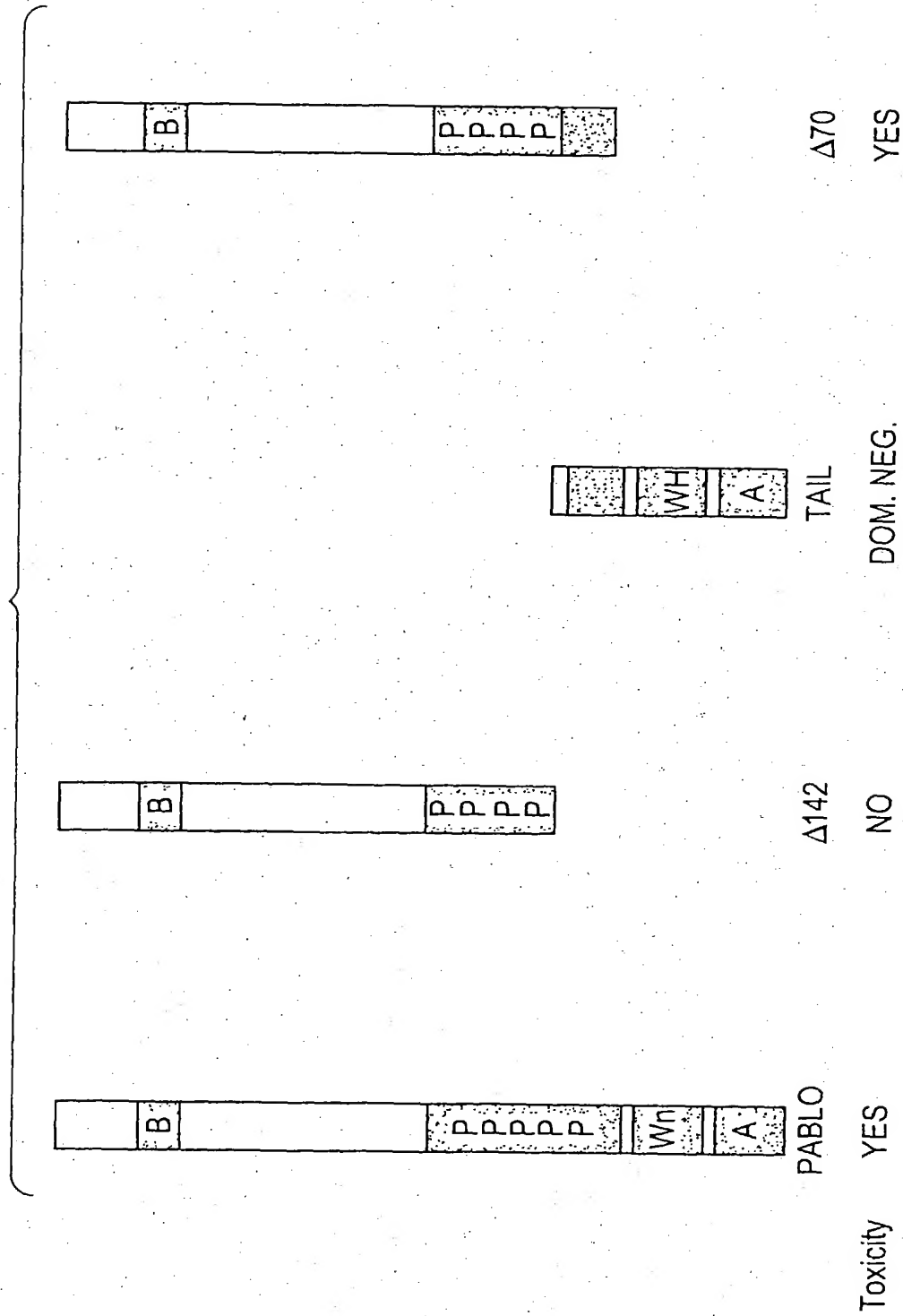


FIG. 15

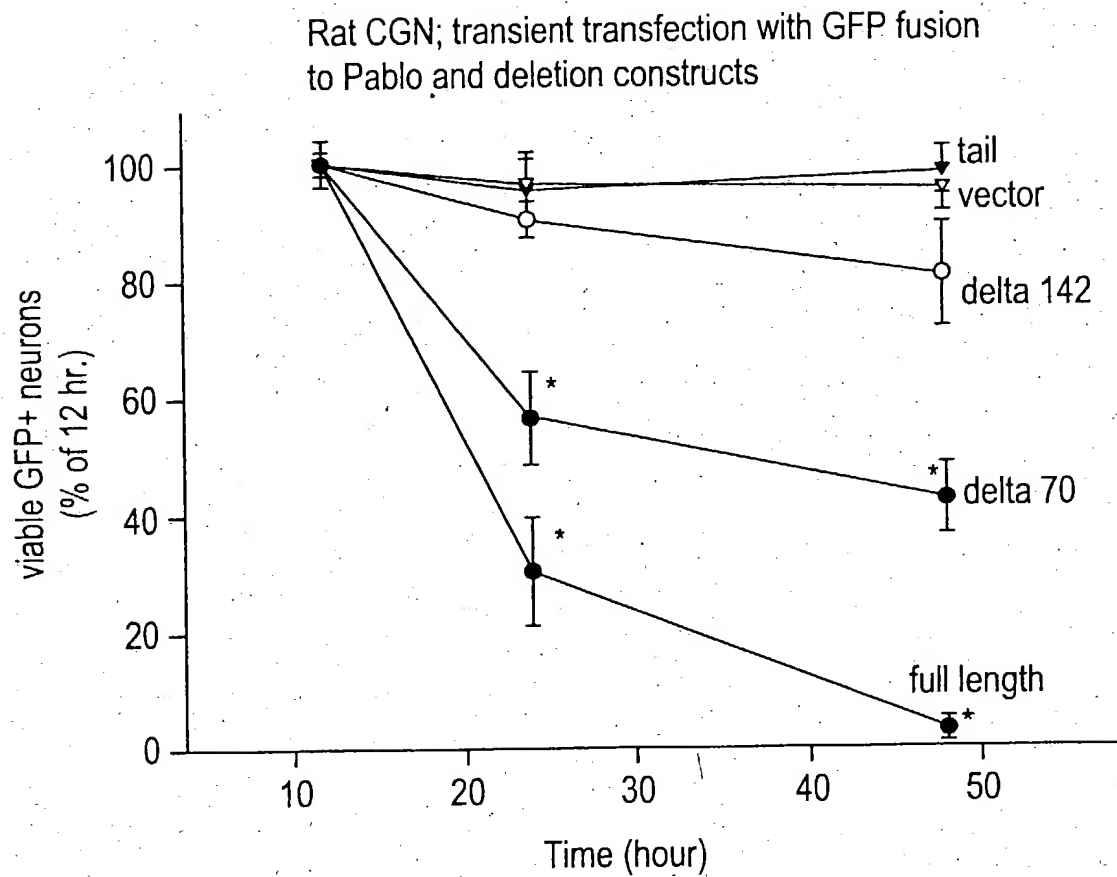


FIG. 16

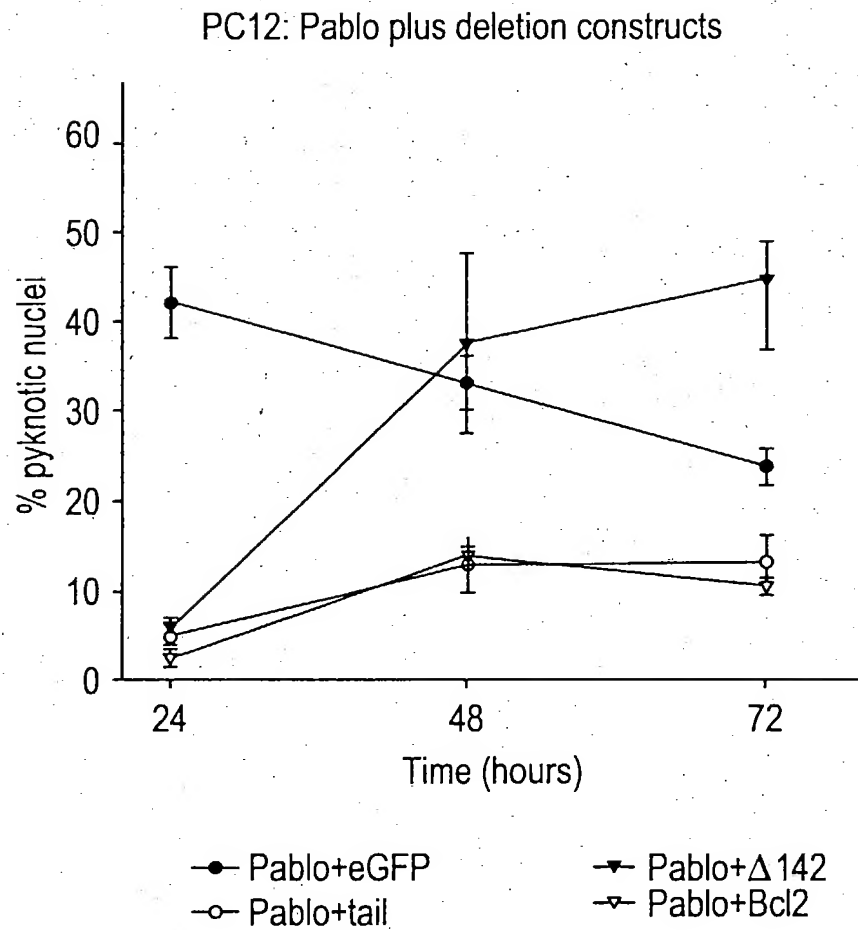


FIG. 17

Search for a Dominant Negative Pablo

<u>Transfection</u>	<u>DNA</u>
1	Pablo-eGFP + eGFP
2	Pablo-eGFP + tail-eGFP
3	Pablo-eGFP + delta 142-eGFP
4	Pablo-eGFP + Bcl-2-eGFP